

## Liquid Level Gauge XY-LGD

### Typical Feature

- Measure range 0~50 meter
- Accuracy level: 0.5%FS; 1%FS
- Output 0.5-2.5VDC
- Power supply battery, low power consumption
- With precision temperature compensation
- Operating temperature -20°C ~ 60°C
- With Stainless steel 304 shell and 316L diaphragm



### Brief Introduction












XY-LGD is a Low Power Digital Liquid Level Gauge, it was design for Internet of Thing (IoT) specially, its low power consumption is suitable to power by battery and Periodic supply. The Digital Liquid Level Gauge is based on the principle of hydrostatics to measure the level or water depth, it has high-performance isolated sensitive components and precision temperature compensation technology to converts the static pressure into electrical signal, then converts these signals to standard electronical signal output.

It has excellent circuit design to suitable liquid level pressure measurement, such as protection of Anti-Surge, Over-Voltage, Over-Current and Reversed Polarity; with Anti-electromagnetic Interference function to ensure the output single stably in complex electromagnetic environment.

The XY-LGD low power Liquid Level Gauge have stainless steel 304 shell and IP68 protection to against harsh service environment.

The low power Liquid Level Gauge can be widely powered by 3.3 VDC power supply and output 0.5-2.5V signal. Accuracy  $\pm 0.5\%FS$ ;  $\pm 1\%FS$ . Widely used to measure liquid level for fire protection water net, heating system, smart water management system, medical equipment and others filed need be powered by battery.

### Suggested Applications

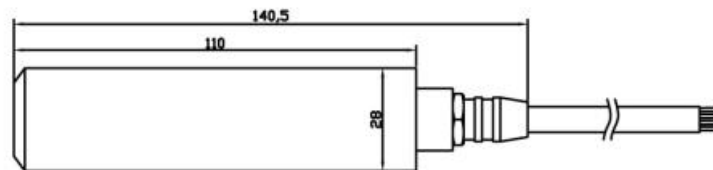
-  Fire protection water net
-  Heating system
-  Oil level of locomotive and oil tanker
-  Marine liquid level
-  Sewage treatment
-  Smart water management system
-  Medical equipment
-  Reservoirs and Ocean level
-  Civil pool and Water tank
-  Analysis level of river, lake, and pool
-  Urban water supply

**More details for XY-LGD, please contact us.**

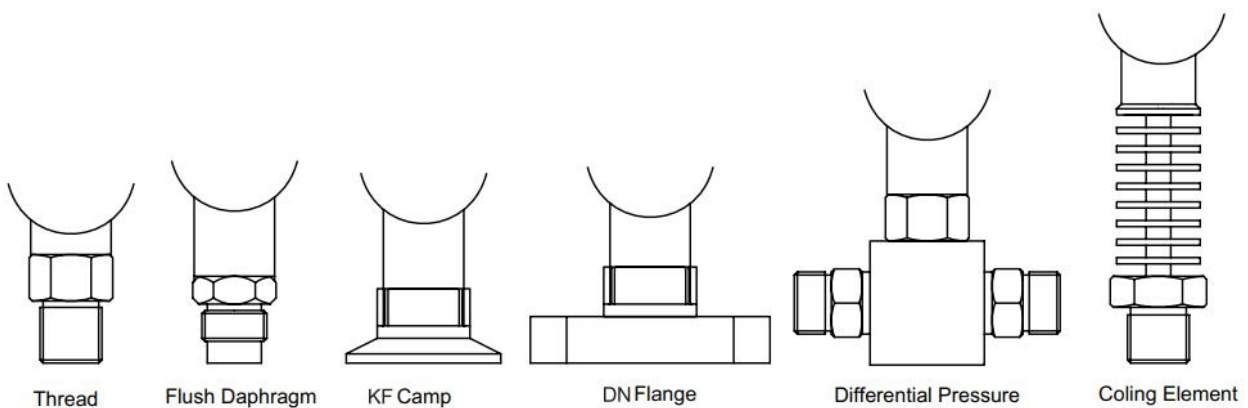
Specification

<b>Model</b>	<b>XY-LGD</b>
Range	0~0.5...1...2...5...8...10...50M H <sub>2</sub> O
Overload Capacity	200%
Measurement Medium	Oil or other Liquid with Compatibility of SS 304 or 316
Accuracy Level	1.0% FS;0.5% FS; Customized higher accuracy
Long-Term Stability/Year	Typical: ±0.2% FS;
Output	0.5-2.5V
Working Current	0.9mA(max)
Steady Time	<100ms
Electric protection	EMC
Operating temperature	-20~60°C;
Compensation	0~60°C
Power Supply	3.3VDC
IP Protection Class	IP68
Installation Type	Immersed

Dimension(mm)



Mechanical Connection(mm)



## How To Order

XF	LG	D	I	IM	1	P2	J	M3	B1	T1	L											
	Category	Type	Connection	Range	Accuracy	Power	Output	Thread	Electrical Connection	Medium Temperature	Additional											
LG	Liquid Gauge	D	Voltage Output	None	General Thread	X[M] (0-X) Meter	1	0.40%	P0	Battery	R	RS485	M1	M20*1.5	B	Cable Outlet	T1	-5~40°C	LC	LCD Display		
		R	RS485 Output	P	Diaphragm Seals		2	0.20%	P2	24V	A	4~20mA	M2	G1/4	C	Circular Connector	T2	-20~80°C	LE	LED Display		
		270G	Wireless GPRS	DP	Differential Pressure		3	0.10%	P3	12~28V	V2	0~5V	M3	G1/2	E	IP 68 Waterproof Cable	T3	-20~65°C	I	Explosion-Proof		
		270L	Wireless LoRa	KF	Clamp		4	0.50%	P5	380V			M4	1/2NPT	CC	Customized						
		270N	Wireless NB-IoT	DN	Flange		5	0.25%	P6	12V			M5	1/4NPT								
		300	Submersible	I	Explosion-Proof Shell		9	Customized	P9	Customized			M6	Input								
LS	Liquid Sensor	200	Lightning Protection	9999	Customized																	
		500	Corrosive																			
		600	Mounted																			

If you may not find right information in this form, Please contact us to get future details

### Shanghai XuYan Precision Technology Co., Ltd.

**Address:** No. 969, YunHan Road Pudong District Shanghai City China

**Tel:** +86 21 59241315

**Email:** sales@xvyanprecision.com

**Website:** [www.xvyanprecision.com](http://www.xvyanprecision.com)

**Product Manager:** Tyler Tou

**Cell:** +86 189 1797 0680

**Email:** ttao@Xuyanpercision.com